

UNIVERSITY OF QUEENSLAND

Computer Centre

WEEKLY NEWSLETTER

Date : Week ended 21 October 1971

Authorization : Director of the Computer Centre

1. OPERATIONS

1.1 PDP-10 System

Friday	15 October	Accounting procedures 0929-1028 System failure, offline 1657-1710 Dedicated mode 2216-2345.
Monday	18 October	System development 2316-2400.
Tuesday	19 October	Accounting procedures 0910-1125.
Wednesday	20 October	System failure, parity error, offline 1605-1627.
Thursday	21 October	System failure, offline 1130-1154 System hangup, CTY not responding, system restarted, 1940-1945.

Schedule for forthcoming week:

Maintenance	0700-0900
Operations	1000-2315

1.2 GE-225 System

Schedule for forthcoming week:

Maintenance	0700-0900, 2000-2130
Operations	0900-2000, 2130-2400

2. ENCODE/DECODE SYNTAX RESTRICTIONS

The number of characters specified in ENCODE or DECODE statements may be an integer variable or an integer constant but not an expression. For example;

ENCODE(20,10,A) I,J,K

```

DECODE(N,40,A) X,Y

```

are acceptable provided statement numbers 10 and 40 are legal format statements.

The following statement produces a compilation error:

```
*****          ENCODE(K*J,10,A) I,JK
*****          ↑
*****          S-1 SYNTAX
```

Note also that a similar restriction applies to logical device numbers in READ and WRITE statements.

3. PDP-10 RANDOM AND SEQUENTIAL FILE ACCESS

Users should not attempt to mix random and sequential modes of access for the same file in a FORTRAN program. The following rules for reading and writing FORTRAN files should be observed.

- (a) A logical unit may not be used for sequential and then random input/output in the same program unless an intervening CALL to RELEASE is issued. For example, if sequential input/output is done to unit 10, then random input/output to unit 10 is illegal and will fail.
- (b) Before random input/output is performed through a READ or WRITE statement, the file must be properly defined through a DEFINE FILE.
- (c) CALLs to IFILE or OFILE open files for sequential input/output. They must not be issued for logical units to be used for random input/output. If it is desired to open a file for sequential input/output on a unit that has been used for random input/output, a CALL to RELEASE must be issued before a CALL to IFILE or OFILE.